

**IN THE ABSTRACT:**

Please delete the present Abstract and replace it with the following new Abstract.

The invention relates to a method and system of determining a home area for a subscriber terminal in a radio system in which the subscriber terminal includes measuring means for measuring signal strengths received from different base stations and for storing measurement results in a memory. In order for the home area to be determined rapidly and efficiently, the method includes receiving a location updating message from the subscriber terminal, transmitting a command to the subscriber terminal after the location updating message has been received wherein the command is to transmit the measurement results stored in the memory to the subscriber terminal, receiving the measurement results from the subscriber terminal, identifying the base stations with the greatest signal strengths at least partially based on the measurement results, and determining the home area of the subscriber terminal such that the home area includes at least one of the identified base stations.